Headquarters U.S. Air Force

Integrity - Service - Excellence

AF Safety Update

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Chief, Policy and Plans
AF/SEPP

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Overview

- **Safety Policy Update**
- **Air Force Safety Automated System (AFSAS) Update**
- **Operational Risk Management (ORM) Update**

Policy Update

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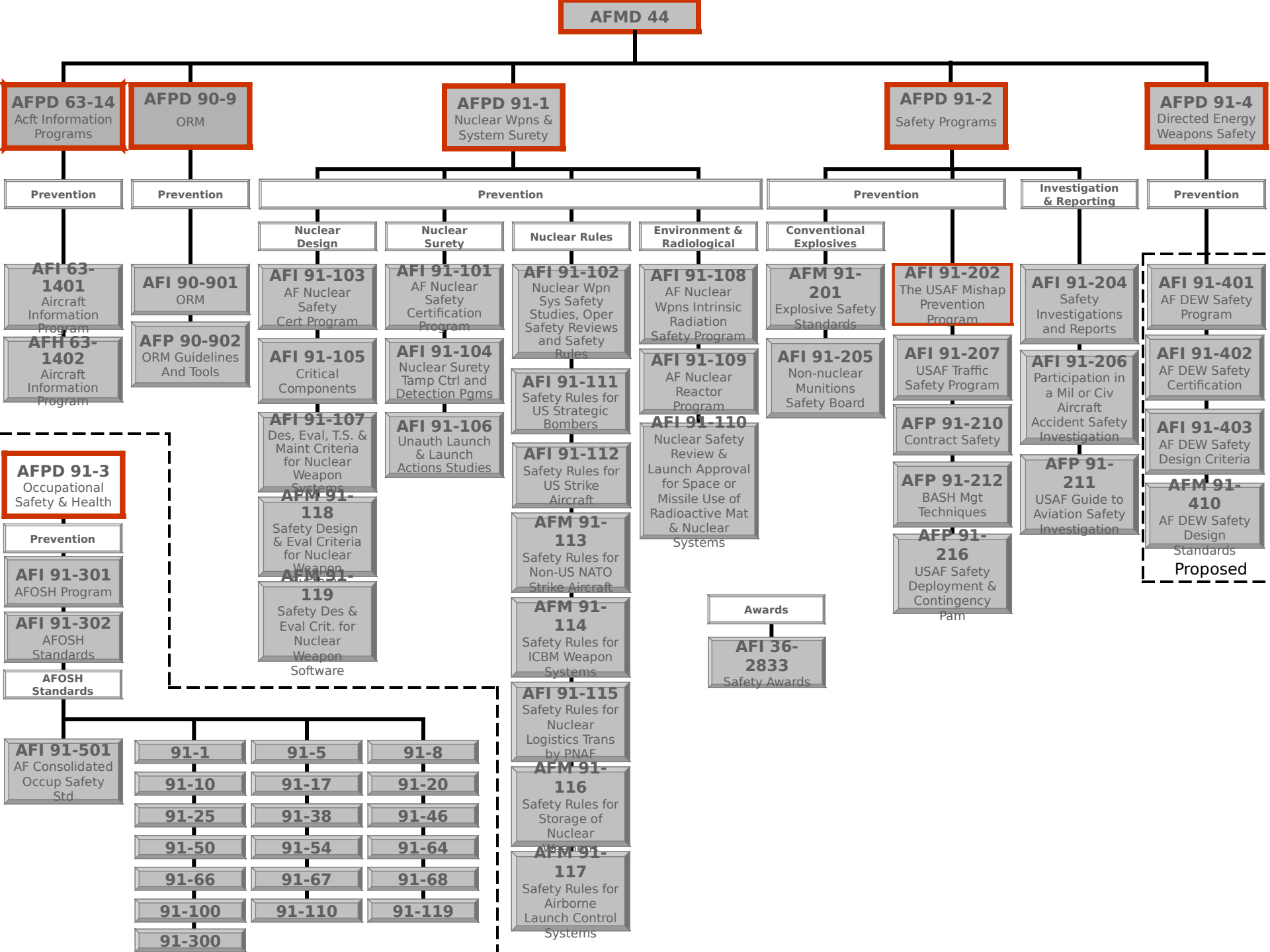
Safety Policy

- **66 AF-level safety related publications:**
- **Implementing a 2-year review, 3-year update cycle to ensure currency**


AFMD 44
AFPD 63-14
Acft Information Programs
AFPD 90-9
ORM
AFPD 91-1
Nuclear Wpns & System Surety
AFPD 91-2
Safety Programs
AFPD 91-4
Directed Energy Weapons Safety
Prevention
Prevention
Prevention
Prevention
Investigation & Reporting
Prevention
AFI 63-1401
Aircraft Information Program
AFH 63-1402
Aircraft Information Program
AFI 90-901
ORM
AFP 90-902
ORM Guidelines And Tools
Nuclear Design
Nuclear Surety
Nuclear Rules
Environment & Radiological
Conventional Explosives
AFI 91-103
AF Nuclear Safety Cert Program
AFI 91-105
Critical Components
AFI 91-107
Des, Eval, T.S. & Maint Criteria for Nuclear Weapon Systems
AFM 91-118
Safety Design & Eval Criteria for Nuclear Weapon
AFM 91-119
Safety Des & Eval Crit. for Nuclear Weapon Software
AFI 91-101
AF Nuclear Safety Certification Program
AFI 91-104
Nuclear Surety Tamp Ctrl and Detection Pgms
AFI 91-106
Unauth Launch & Launch Actions Studies
AFI 91-102
Nuclear Wpn Sys Safety Studies, Oper Safety Reviews and Safety Rules
AFI 91-111
Safety Rules for US Strategic Bombers
AFI 91-112
Safety Rules for US Strike Aircraft
AFM 91-113
Safety Rules for Non-US NATO Strike Aircraft
AFM 91-114
Safety Rules for ICBM Weapon Systems
AFI 91-115
Safety Rules for Nuclear Logistics Trans by PNAF
AFM 91-116
Safety Rules for Storage of Nuclear
AFM 91-117
Safety Rules for Airborne Launch Control Systems
AFI 91-108
AF Nuclear Wpns Intrinsic Radiation Safety Program
AFI 91-109
AF Nuclear Reactor Program
AFI 91-110
Nuclear Safety Review & Launch Approval for Space or Missile Use of Radioactive Mat & Nuclear Systems
AFM 91-201
Explosive Safety Standards
AFI 91-205
Non-nuclear Munitions Safety Board
AFI 91-202
The USAF Mishap Prevention Program
AFI 91-207
USAF Traffic Safety Program
AFP 91-210
Contract Safety
AFP 91-212
BASH Mgt Techniques
AFP 91-216
USAF Safety Deployment & Contingency
Pam
AFI 91-204
Safety Investigations and Reports
AFI 91-206
Participation in a Mil or Civ Aircraft Accident Safety Investigation
AFP 91-211
USAF Guide to Aviation Safety Investigation
AFI 91-401
AF DEW Safety Program
AFI 91-402
AF DEW Safety Certification
AFI 91-403
AF DEW Safety Design Criteria
AFM 91-410
AF DEW Safety Design Standards
Proposed
AFPD 91-3
Occupational Safety & Health
Prevention
AFI 91-301
AFOSH Program
AFI 91-302
AFOSH Standards
AFOSH Standards
AFI 91-501
AF Consolidated Occup Safety Std
91-1
91-10
91-25
91-50
91-66
91-100
91-300
91-5
91-17
91-38
91-54
91-67
91-110
91-8
91-20
91-46
91-64
91-68
91-119
Awards
AFI 36-2833
Safety Awards

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Status of AF Publications

- **AFPD 91-2, *Safety Programs***
  - Draft revision expected this fall
  - Affected by changes to AFPD 90-8, rescission of AFPD 90-3, and new AFPD 91-4, others
- **AFPD 91-3, *Occupational Safety and Health***
  - To be superceded by AFPD 90-8
- **AFPD 91-4, *Directed Energy Weapon Safety***
  - Signed by Secretary Roche 11 Jul 03
  - Working group – drafting subordinate AFIs 91-401, 402, & 403
  - Safety Policy Working Group held 3-4 Sep 03 at AFSC

Status of AF Publications

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- **AFI 91-102, Nuclear Weapon System Safety Studies, Operational Safety Reviews, and Safety Rules**
  - Draft has gone through MAJCOM coordination
  - In final coordination for AF distribution
- **AFI 91-202, *The USAF Mishap Prevention Program***
  - Draft revision expected this fall
  - Affected by changes to AFPD 90-8, rescission of AFPD 90-3, and new AFPD 91-4, others

Status of AF Publications

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- **AFI 91-204, *Safety Investigations and Reports***
  - MAJCOM/SE comments received and being resolved
    - Resolution of comments will be given to MAJCOM/SE's in future
  - Next step HAF 3-Ltr Review
  - Final draft for MAJCOM/CV coord estimated Oct 03
  - 2-Ltr coord and finalization expected in Nov
  - Major notes/issues:
    - AFI include safety investigating and reporting policy; "what to do"
    - AFMANs include discipline specific "how to" information
      - AFMANs will sent out for MAJCOM/SE review in Oct 03

Status of AF Publications

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- **AFI 91-207, *The Air Force Traffic Safety Program***
  - Rewrite complete
  - Publication on hold pending DoDI 6055.4 revision (at OSD)
  - Considering publishing an Interim Change
- **AFI 91-301, *Air Force Occupational and Environmental Safety, Fire Protection, and Health (AFOSH) Program***
  - Awaiting publication of AFPD 90-8 and AFIs 90-801 and 802

Status of AF Publications

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- **AFMAN 91-201, *Explosive Safety Standards***
  - Next rewrite working group scheduled for 9-11 Dec 03
- **AFOSH 91-501, Part 1**
  - Interim Change – estimated publication date Oct 03
- **AFOSH 91-501, Part 2**
  - Estimated Publication Date – Dec 03
- **AFOSH 91-501, Part 3**
  - Estimated Publication Date – Apr 04

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AFSAS Update

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AFSAS Update

- System Overview
- Timeline
- AFSAS Steering Council
- Current & Future Architecture
- Business Case
- Summary

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System Overview

- **Web-enabled mishap reporting & analysis system**
  - Available 24 Hours a day
  - Available Globally
- **Automates and standardizes data input**
- **Mishap message notification**
  - MAJCOMs set their own message filters
  - Tailor business rules to meet end user their needs
- **Supports data analysis and trending**
- **Readily expandable with add-on modules**
- **Aligned with AFI 91-204 Policy (draft)**
- **Minimal end user requirements**
  - PC with Internet access
  - Microsoft Internet Explorer 6.0.28 or higher
  - AFSAS user account

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AFSAS Priorities

1 – AFSAS Query Capability (in work)
2 – Aviation Enhancements (in work)
3 – Weapons AFSAS Module (in work)
4 – Space AFSAS Module (in work)
5 – Ground Re-write
6 – Classified Data Reporting
7 – Off-line Mishap Data Collection
8 – Hazard Deficiency Reporting
9 – Web Based Training
10 – Storage of Audio, Video & Digital Files
11 – Automation of Safety Training Records
12 – External Data Interfaces

AFSAS Schedule

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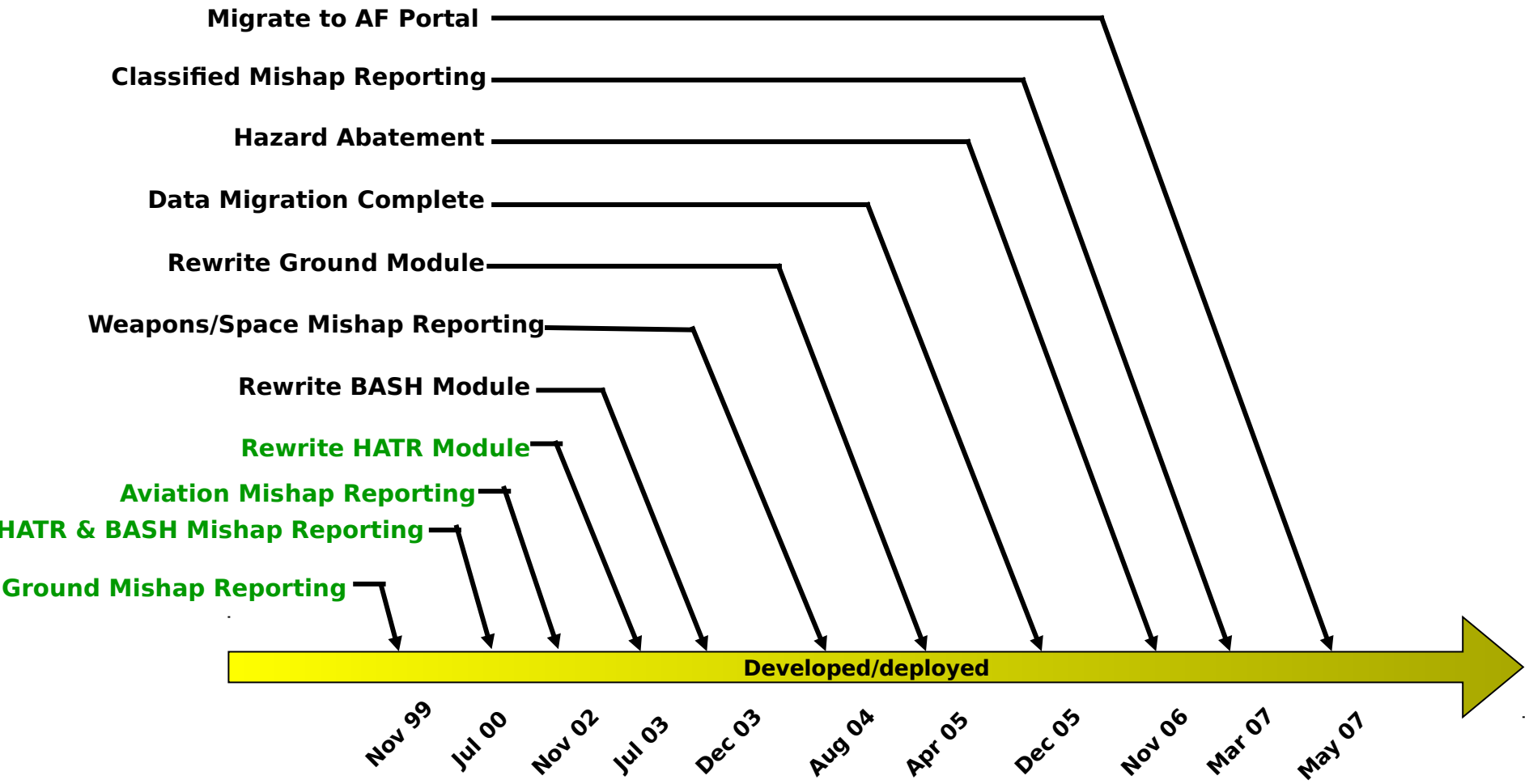
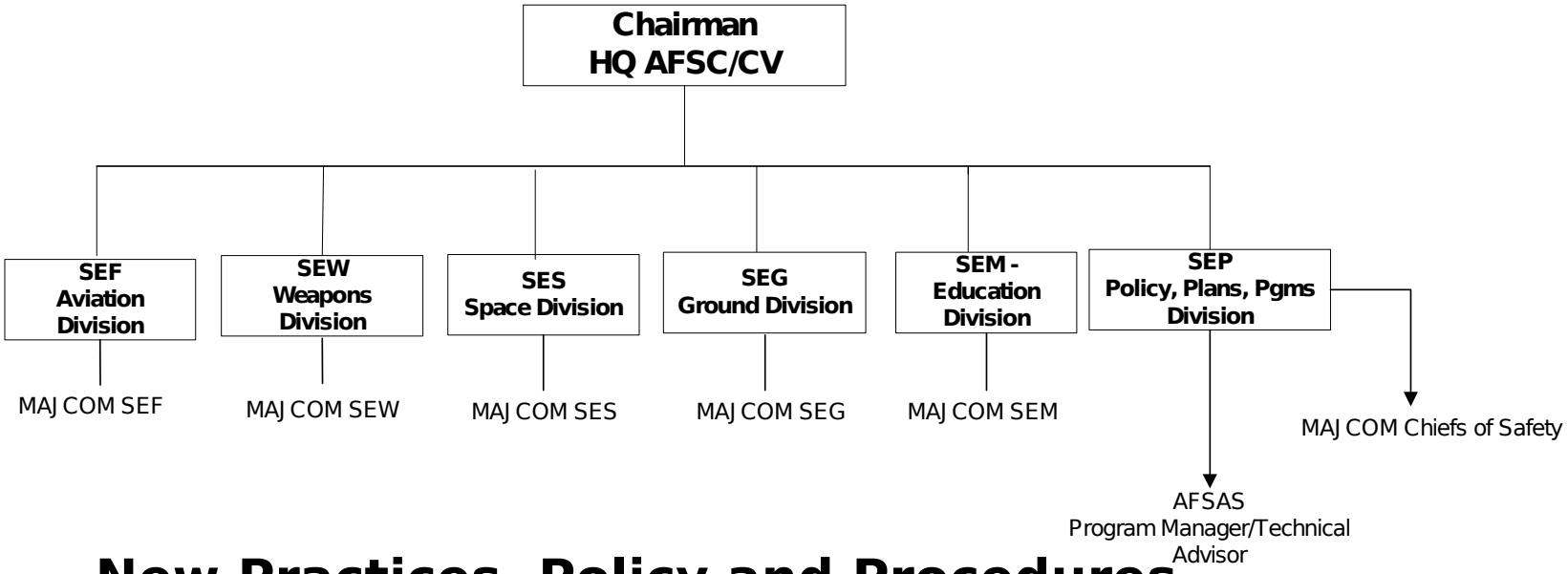


AFSAS Steering Council



New Practices, Policy and Procedures

- MAJCOM inputs now included as part of Steering Council
- Steering Council updates/decisions distributed to MAJCOMs
- MAJCOM Chiefs of Safety help prioritize AFSAS automation requirements and development resources

Current Architecture

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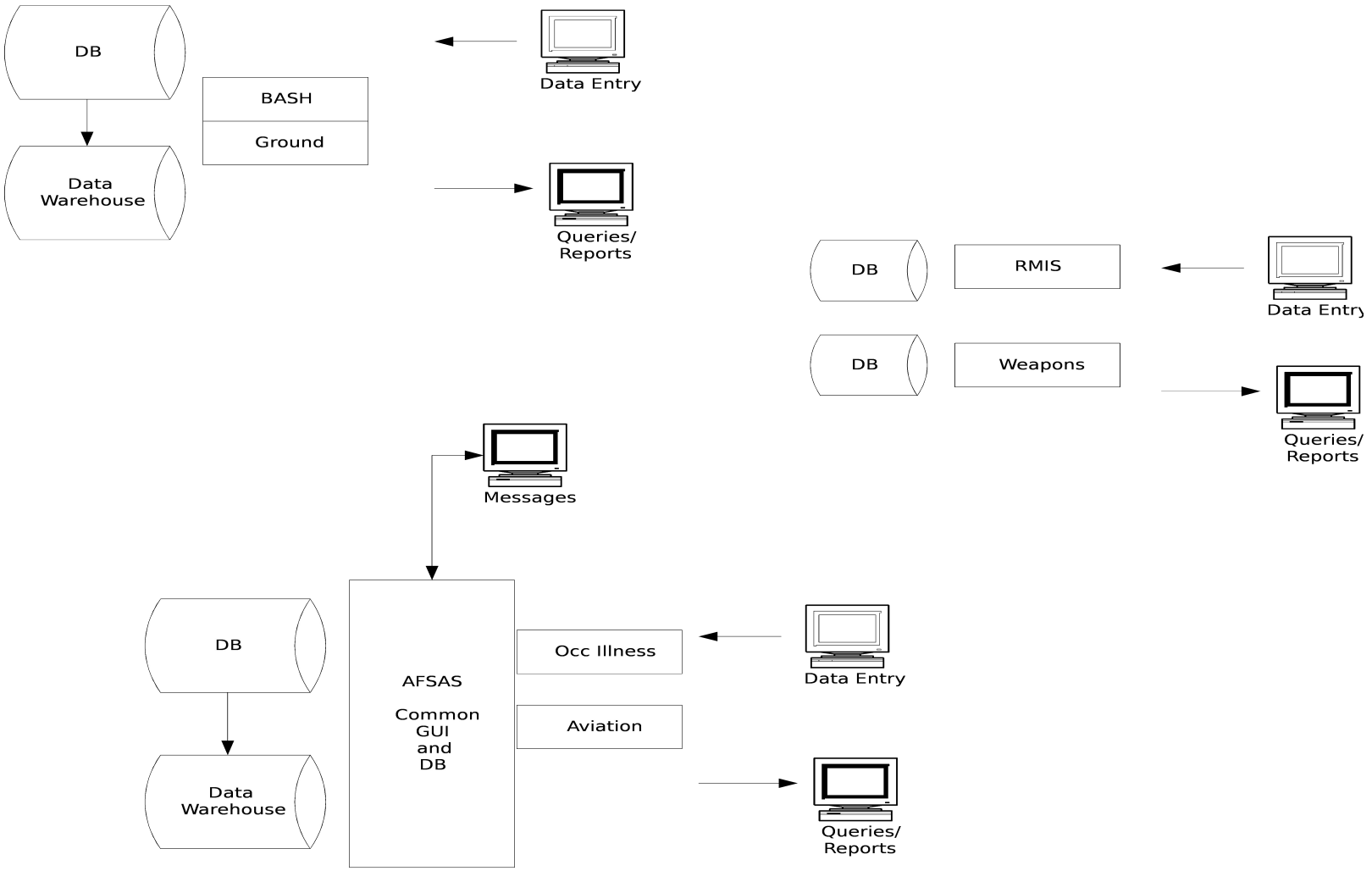

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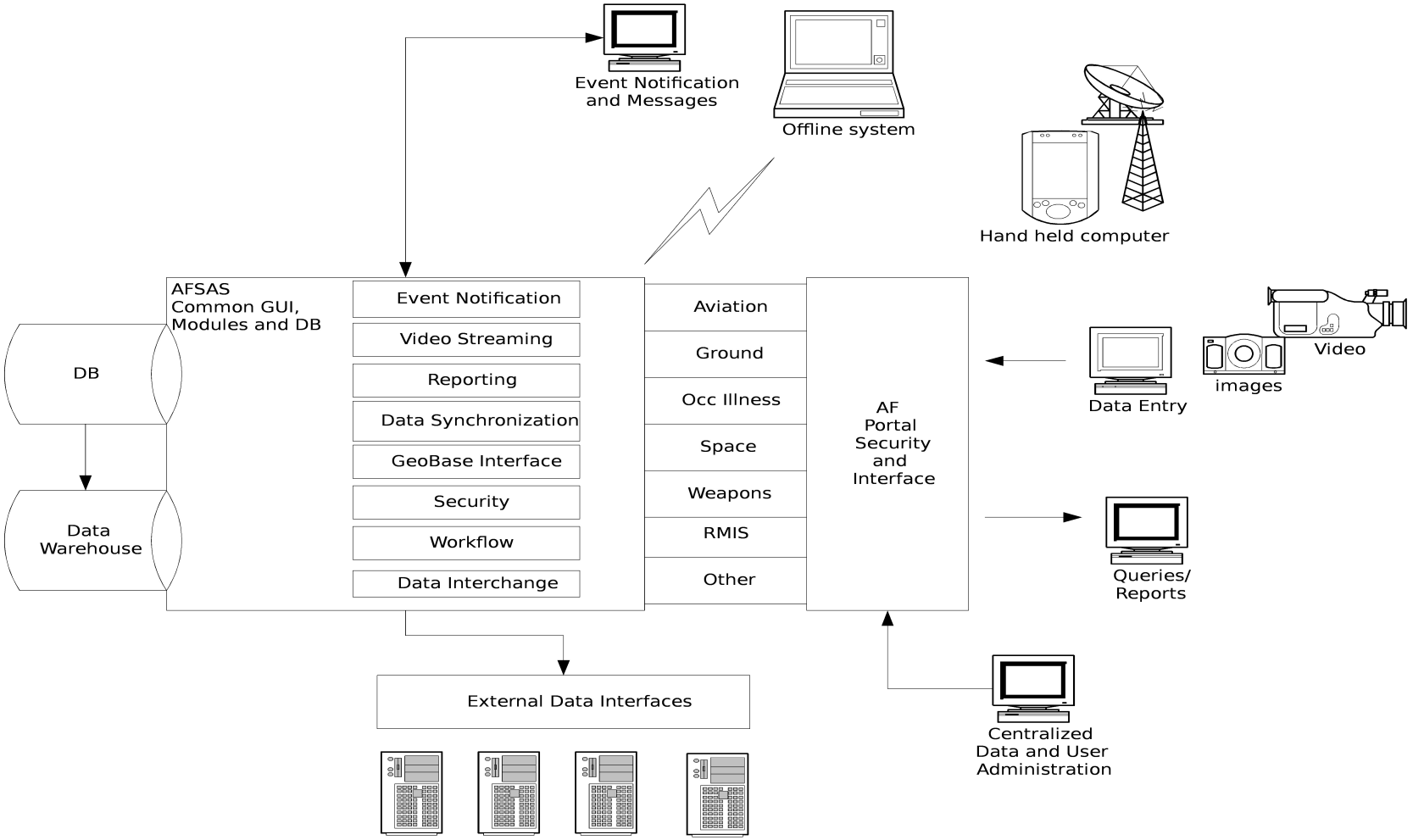
Future Architecture



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Business Case

- **Single AF repository for all safety data**
  - Enhances information sharing with DoD and federal agencies
  - Improves analysis and trending of mishaps
- **Integrates risk management into AFSAS mission**
- **Data accuracy and accessibility raises confidence levels in causal identification and prevention recommendations**
- **Investment recaptured many times over by preventing just one Class A mishap or unnecessary loss of life**
- **System leverages Air Force Portal sustainability**
- **Four AFSAS modules currently in use, no major deficiencies**
- **Web access is only requirement for end-user**
- **Overall positive field feedback**

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AFSAS Summary

- **AFSAS Is Way Ahead for Air Force**
  - **Saves man-hours required to report & process mishaps**
  - **Model for DoD; Army & Navy adopting similar construct**
  - **Will link with Army, Navy, Federal & other safety information**
  - **Leverages Air Force Portal technology**
  - **Provides common framework for integration of future mission goals**

ORM Update

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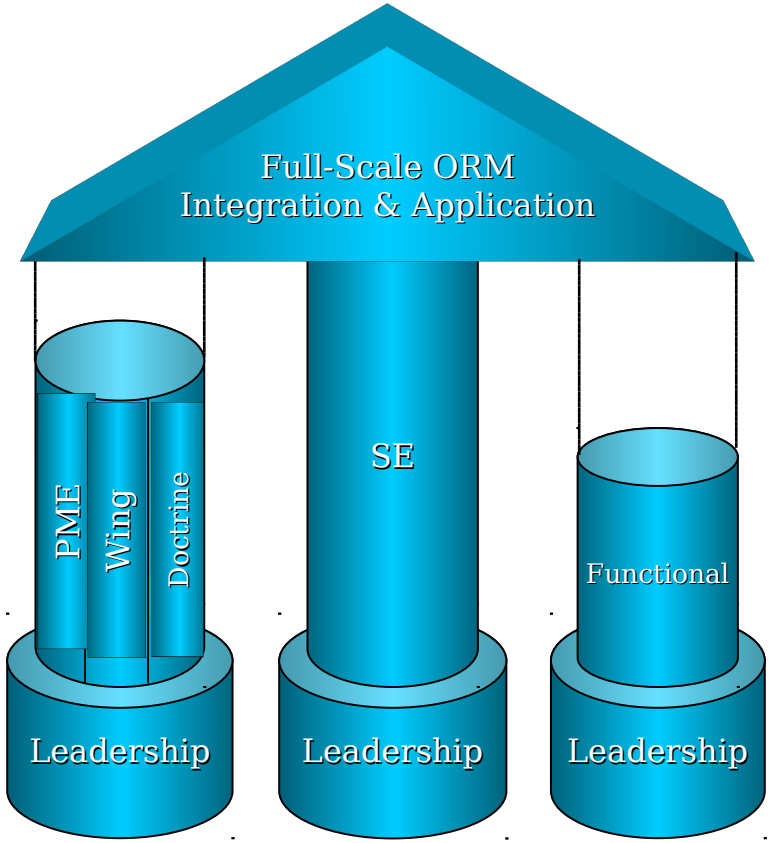
ORM Update

- ***Current Initiatives***
- ***Risk Management Information System (RMIS)***

Current Initiatives



Renewed Integration Effort Through:

- **Education and training programs,**
- **Safety chains, &**
- **Functional chains**

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Current Initiatives

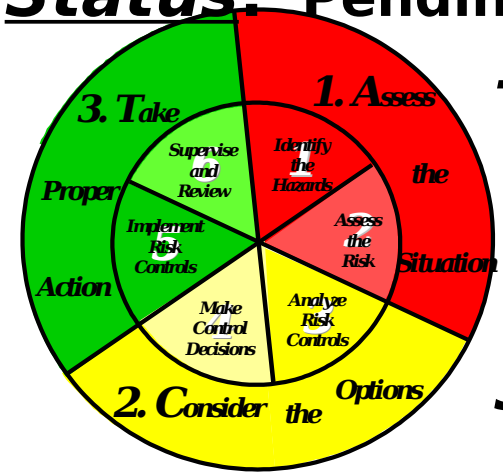
USAF ORM INTEGRATION AND SUSTAINMENT PLAN

- Training, Functional Policy, Doctrine, Oversight Initiatives
- Builds on Strategy Outlined in Directives
  - Adds OPRs, Timelines

As of: In draft – ECD: Dec

Current Initiatives

- ***Abbreviated Risk Management – "ACT"***
  - **Supplemental tool for time-critical situations and less complex off-duty activities**
  - **Not for deliberate/strategic levels of risk management where more in-depth assessments are needed**
  - ***Status*: Pending revision to AFPAM 90-902**



1. Assess the Situation

2. Consider Options to Limit Risk

3. Take Appropriate Action

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Risk Management Information System

Total Risk Assessment & Control System - TRACS 2.0

- Automated risk assessment tool
- Walks user through six-step ORM assessment
- Private and public libraries
- Off-line version in development

https://rmis.kirtland.af.mil

New

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Risk Management Information System

ORM "U"

- 4 web-based training modules
- CBT/CD-ROM version
  - Users with limited or no Internet connectivity
  - Download from "Training" button
  - Options:

    1. Take course off-line with on-line test/certificate (RMIS maintains completion record)

    2. Take course and test off-line (print certificate one time – no record of completion in RMIS)

https://rmis.kirtland.af.mil

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AFSC Training

- **On-site:**
  - **Application and Integration**
    - **3 days - hands-on for ORM focal points**

- **Satellite Distance Learning:**
  - **Essentials for Supervisors**
  - **8-hour course for supervisors/leaders**

- **FY 04 class schedules available at:**

http://afsafety.af.mil/AFSC/RDBMS/Training/SEME_home.htm